In the Claims:

Please amend Claims 1, 7, 13, 20, 23, 52, 55, 60; cancel Claims 12, 25, 54, 57-58 and 61-62, and add new Claims 63-65, all as shown below. Applicant respectfully reserves the right to prosecute any originally presented or canceled claims in a continuing or future application.

1.   (Currently Amended) A system for single security administration comprising:

a first application server of a [[first]] transactional server type, which is configured to execute transaction processes including receiving transactional procedure calls from clients to initiate the transaction processes, wherein the first application server includes

an access control list which defines user security information for use in authorizing the calls from clients, and

a Lightweight Directory Access Protocol (LDAP) authentication server plugin which is configured to forward the transactional procedure calls from clients to another application server for authorization;

a second application server of a ~~second~~ non-transactional server type, which is configured to administer security for the first application server, wherein the second application server includes

a user profile database which includes security information for a plurality of users, including for each of the users a mapping of security credentials for that user between the [[first]] transactional server type and the ~~second~~ non-transactional server type, and

an embedded LDAP server which is configured to receive and process the transactional procedure calls from the LDAP authentication server plugin; and

wherein, when a transactional procedure call to initiate a transaction is received from a client ~~to initiate a transaction~~ at the first application server, the LDAP authentication server plugin

identifies the user associated with the transactional procedure call,

determines that the second application server should authenticate the user,

initiates an LDAP session between the first application server and the second application server, and

~~sends a query information~~ forwards the transactional procedure call to the embedded LDAP server,

wherein, upon receiving the transactional procedure call from the LDAP authentication server plugin, the embedded LDAP server

processes the transactional procedure call,

determines a corresponding user information from the user profile database, and

returns the corresponding user information to the LDAP authentication server plugin,

and wherein, after receiving [[receives]] from the embedded LDAP server a corresponding user information as determined by the user profile database at the second application server, [[and]] the LDAP authentication server plugin

creates a token reflecting [[the]] an authentication result based on the corresponding user information, which is subsequently used to authenticate the client to participate in the transaction.

2.   (Canceled).

3.   (Previously Presented) The system of claim 1 wherein said first application server is an enterprise server.

4-6.   (Canceled).

7.   (Currently Amended) The system of claim 1 wherein said transactional procedure call includes a query information that is query user information that specifies a particular user or group of users.

8.   (Previously Presented) The system of claim 1 wherein the system includes a plurality of servers.

9.   (Original) The system of claim 8 wherein at least two of said plurality of servers include an LDAP authentication server.

10.   (Previously Presented) The system of claim 1, further comprising a user information cache that caches a copy of said user authentication information in case of a failure in a communication link between the first application server and the second application server.

11.   (Original) The system of claim 1 wherein the system is scalable to include multiple LDAP authentication servers and/or multiple embedded LDAP servers.

12.   (Canceled).

13.   (Currently Amended) A method for providing single security administration comprising the steps of:

    providing a first application server of a [[first]] <u>transactional</u> server type, which is configured to execute transaction processes including receiving <u>transactional procedure</u> calls from clients to initiate the transaction processes, wherein the first server includes

        an access control list which defines user security information for use in authorizing the calls from clients, and

        a Lightweight Directory Access Protocol (LDAP) authentication server plugin which is configured to forward the <u>transactional procedure</u> calls from clients to another application server for authorization;

    providing a second application server of a <s>second</s> <u>non-transactional</u> server type, which is configured to administer security for the first application server, wherein the second application server includes

        a user profile database which includes security information for a plurality of users, including for each of the users a mapping of security credentials for that user between the [[first]] <u>transactional</u> server type and the <s>second</s> <u>non-transactional</u> server type, and

        an embedded LDAP server which is configured to receive <u>and process</u> the <u>transactional procedure</u> calls from the LDAP authentication server plugin;

    receiving a <u>transactional procedure</u> call <u>to initiate a transaction</u> from a client <s>to initiate a transaction</s> at the first application server; [[and]]

    performing, via the LDAP authentication server plugin, the steps of

        identifying the user associated with the <u>transactional procedure</u> call,

        determining that the second application server should authenticate the user,

        initiating a LDAP session between the first application server and the second application server, <u>and</u>

        <s>sending a query information</s> <u>forwarding the transactional procedure call</u> to the embedded LDAP server[[,]]<u>;</u>

    <u>receiving the transactional procedure call from the LDAP authentication server plugin at the embedded LDAP server;</u>

        <u>performing, via the embedded LDAP server, the steps of</u>

processing the transactional procedure call,

determining a corresponding user information from the user profile database, and

returning the corresponding user information to the LDAP authentication server plugin;

receiving from the embedded LDAP server a corresponding user information as determined by the user profile database at the second application server[[,]]; and

creating, via the LDAP authentication server plugin, a token reflecting [[the]] an authentication result based on the corresponding user information, which is subsequently used to authenticate the client to participate in the transaction.

14.   (Original) The method of claim 13, further comprising the step, prior to issuing a call, of allowing a client to access a default security plugin.

15.   (Canceled).

16.   (Previously Presented) The method of claim 13 wherein said first application server is an enterprise server.

17-19. (Canceled).

20.   (Currently Amended) The method of claim 13 wherein further comprising:

including in said transactional procedure call a query user information that is query user information that specifies a particular user or group of users.

21.   (Previously Presented) The method of claim 13, further comprising: including a plurality of servers.

22.   (Previously Presented) The method of claim 21 wherein at least two of said plurality of servers include a LDAP authentication server.

23.   (Currently Amended) The method of claim 13, further comprising

providing a user information cache that caches a copy of said user information.

24.   (Previously Presented) The method of claim 13, further comprising:

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being scalable to include multiple LDAP authentication servers and/or multiple embedded LDAP servers.

25-51. (Canceled).

52. (Currently Amended) The system of claim 1, wherein:

the ~~session is a~~ LDAP session [[that]] supports a single user security data store and administration.

53. (Previously Presented) The system of claim 1, wherein:

the second application server supports backup or failover authentication.

54. (Canceled).

55. (Currently Amended) The system of claim 53, further comprising:

a migrating utility that takes user security information from the separate security repository associated with the first [[type]] <u>application</u> server and updates the security data repository associated with at least one of the ~~plurality of~~ second [[type]] <u>application</u> servers.

56. (Previously Presented) The system of claim 1, wherein:

the LDAP authentication server plugin at the first application server further

determines another second type server in a plurality of second type servers that stores user and group information for a particular user, when a previously determined second type server fails,

initiates a session between the first application server and said another second type server,

passes query information from said authentication server to an embedded LDAP server in said another second type server, and

receives corresponding user and group information from the embedded LDAP server in said another second type server.

57-59. (Canceled).

60.   (Currently Amended) A machine readable storage medium having instructions embedded thereon and performing the following functions when executed by a processor:

providing a first application server of a [[first]] transactional server type, which is configured to execute transaction processes including receiving transactional procedure calls from clients to initiate the transaction processes, wherein the first server includes

an access control list which defines user security information for use in authorizing the calls from clients, and

a Lightweight Directory Access Protocol (LDAP) authentication server plugin which is configured to forward the transactional procedure calls from clients to another application server for authorization;

providing a second application server of a second non-transactional server type, which is configured to administer security for the first application server, wherein the second application server includes

a user profile database which includes security information for a plurality of users, including for each of the users a mapping of security credentials for that user between the [[first]] transactional server type and the second non-transactional server type, and

an embedded LDAP server which is configured to receive and process the transactional procedure calls from the LDAP authentication server plugin;

receiving a transactional procedure call to initiate a transaction from a client to initiate a transaction at the first application server; and

performing, via the LDAP authentication server plugin, the steps of

identifying the user associated with the call,

determining that the second application server should authenticate the user,

initiating a LDAP session between the first application server and the second application server, and

sending a query information forward the transactional procedure call to the embedded LDAP server[[,]];

receiving the transactional procedure call from the LDAP authentication server plugin at the embedded LDAP server;

performing, via the embedded LDAP server, the steps of

processing the transactional procedure call,

determining a corresponding user information from the user profile database, and

returning the corresponding user information to the LDAP authentication server

plugin;

receiving from the embedded LDAP server a corresponding user information as determined by the user profile database at the second application server[[,]]; and

creating, via the LDAP authentication server plugin, a token reflecting [[the]] an authentication result based on the corresponding user information, which is subsequently used to authenticate the client to participate in the transaction.

61.   (Canceled).

62.   (Canceled).

63.   (New) The system of claim 1 wherein the second server include a console program for administering the security of the first server.

64.   (New) The system of claim 1 wherein the first application server also supports a separate authentication mechanism with a separate security repository and independent of the LDAP authentication server plugin.

65.   (New) The system of claim 1 wherein an administrator of the first server is mapped to an administrator for the second server by default.